



**TO THE MAYOR AND COUNCILLORS OF THE
MACKENZIE DISTRICT COUNCIL**

Membership of the Asset and Services Committee:

Cr James Leslie (Chairman)
Claire Barlow (Mayor)
Cr Noel Jackson
Cr Evan Williams
Cr Russell Armstrong
Cr Murray Cox
Cr Graham Smith

*Notice is given of the Meeting of the Asset and Services
Committee to be held on Tuesday 19 July, 2016, at 9:30am.*

VENUE: Council Chambers, Fairlie.

BUSINESS: As per agenda attached

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER



ASSET AND SERVICES COMMITTEE

Agenda for Tuesday 19 July, 2016 at 9:30am

APOLOGIES

DECLARATIONS OF INTEREST

MINUTES:

Confirm and adopt as a correct record the minutes of the Asset and Services Committee meeting held on June 7, 2016.

3

VISITOR:

9:45am Nick Cassie, Eversly Reserve Resident

REPORTS:

- | | |
|--|----|
| 1. Eversly Reserve Petition (attached) | 6 |
| 2. Asset Manager's Report to May (attached) | 8 |
| 3. Naming of New Roads Cairns Subdivision (attached) | 19 |

PUBLIC EXCLUDED RESOLUTION:

Resolve that the public be excluded from the following part of the proceedings of this meeting namely:

- | | |
|---------------------------|----|
| 1. Twizel Oxidation Ponds | 22 |
|---------------------------|----|

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
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Twizel Oxidation Ponds	Commercial Sensitivity	48(1)(a)(i)
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This resolution is made in reliance on Section 48(1)(a)(i) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act, which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public are as follows: *Twizel Oxidation Ponds 7(2)(b)(ii)*.

ADJOURNMENTS: 10.30am - Morning Tea
12:00pm – Lunch

MACKENZIE DISTRICT COUNCIL

MINUTES OF A MEETING OF THE ASSET AND SERVICES COMMITTEE HELD IN THE COUNCIL CHAMBERS, FAIRLIE, ON TUESDAY 7 JUNE, 2016, AT 12:48PM

PRESENT:

Claire Barlow (Mayor)
Cr James Leslie (Chair)
Cr Graham Smith
Cr Murray Cox
Cr Russell Armstrong
Cr Noel Jackson

IN ATTENDANCE:

Wayne Barnett, Chief Executive Officer
Bernie Haar, Asset Manager
Suzy Ratahi, Roading Manager
Geoff Horler, Utilities Manager
Keri-Ann Little, Committee Secretary

APOLOGIES:

Resolved: that an apology be received from Cr Evan Williams and Town Manager and Solid Waste Manager Angie Taylor.

Cr Smith/ Mayor

DECLARATIONS OF INTEREST:

There were no declarations of interest.

MINUTES:

Resolved that the minutes of the meeting of the Asset and Services Committee held on 26 April 2016 be adopted and confirmed as a correct record.

Cr Smith/ Cr Armstrong

REPORTS:

ASSET MANAGERS MONTHLY REPORT:

The purpose of this report was to update the Asset and Services Committee on the progress on various projects and also on the normal operation of the department for the past month.

The Mayor asked Mr Horler for an explanation to the \$17,000 spent at the head works of the Allandale Water Scheme. Mr Horler said this was the cost of contractors at the headworks carrying out cleaning and leaf removal twice daily. He said there have also been parts, fittings and repairs required for pipeline repairs. Mr Horler said he is currently liaising with the Water Scheme Chairman Neil Campbell regarding ongoing costs and repairs.

The Mayor enquired how investigations at the Fairlie intake were proceeding. Mr Horler replied that there has not been enough rainfall or a long term period of rainfall for investigations to take place.

Mr Leslie asked for clarification regarding the Glen Lyon electricity costs.

Mr Horler stated that the electricity costs cover the entire scheme. He said usage has increased at Glen Lyon Treatment, Lochinvar and Tekapo.

The Mayor requested more information detailing variances to be included in the financial report.

Mr Haar acknowledge Mrs Ratahi's resignation and thanked her for her contribution. He noted there has been 14 million dollars spent on the roading network and three new bridges built initiated by Mrs Ratahi. Mr Haar expressed his personal thanks for all of Mrs Ratahi's time and effort.

Mr Haar noted that the Roding Manager position is currently being advertised with application's closing on the 14th of June. He said he will be receiving external support for the Asset Services position allowing him time to work with the Roding department until an applicant is appointed.

The Mayor requested Mrs Ratahi attendance at the next Council meeting on the 21st of June to be thanked by Council.

Mr Haar spoke to Ms Taylor's report on Solid Waste in her absence.

Cr Cox expressed his concern regarding the Twizel subdivision lighting effecting the night sky reserve.

Mr Haar informed the Committee that the lights apply with the current District Plan and are powered by low pressure sodium bulbs. He noted the vandalised lights will be replaced with an LED option with the aim of a full LED change of all existing lights in the future.

The Chair thanked Mr Haar for his report.

Resolved:

1. That the report be received.

Cr Cox/ Cr Armstrong

ASBESTOS DISPOSAL AND CHARGES:

Mr Haar reported that there are currently no facilities in the District where asbestos can be disposed of, with the closest disposal location being Timaru. Asbestos was widely used in building materials up until the 1990's, but of particular importance for the Mackenzie is the common use of asbestos building materials in Twizel hydro dwellings and garages.

Mr Haar advised to aid safe handling of asbestos for homeowners and builders, it is proposed to supply Hazibags, specifically designed bags that meet the requirements for safe asbestos packaging. He said his report proposes new fees that need to be introduced to cover the cost of the bag, transport and disposal at a suitable landfill.

Cr Leslie questioned if a smaller bag was available for purchase. Mr Haar replied that Envirowaste have decided that these are the sizes best used. He said you do not want people breaking the material up to allow for a smaller bag.

Cr Jackson asked for clarification regarding homeowner's awareness of asbestos in their homes and questioned how the Council are communicating the risks and solutions to homeowners. He asked if there is any notification or process system for ratepayers.

Mr Haar replied stating that unfortunately a large majority of homeowner's will be unaware and there is currently no system to notify them of the presence of asbestos in their homes. He noted that asbestos is primarily found in fireplaces, roofs and lino floor coverings. He said education will be part of Ms Taylor's role and he noted that Envirowaste have completed a training course for staff regarding asbestos protocols. Mr Haar confirmed Ms Taylor will attend the next available training course. Mr Haar referred to the Work Safe website or to speak with Ms Taylor if the community have concerns. He added that identification of the asbestos is key.

Mr Haar noted that the charges are a fixed charge for 12 months. He said he is not aware of the bags currently being used in any other neighbouring District only in Christchurch. Mr Haar assured Councillors he will investigate, but assumes if asbestos is presented at the Recovery Park without the use of a Hazibag the disposal will be refused.

Resolved: that the report be received.

Cr Jackson/ Cr Armstrong

Resolved: that the following new charges be included in the Solid Waste fees and charges schedule. Prices Include Hazibag, transport and disposal of material at an appropriate landfill:

3m ³ Hazibag	\$685.90 incl gst
1.5m ³ Hazibag	\$407.90 incl gst
1m ³ Hazibag	\$199.30 incl gst

Mayor/ Cr Cox

**THERE BEING NO FURTHER BUSINESS THE
CHAIRMAN DECLARED THE MEETING CLOSED AT 1:36pm**

CHAIRMAN: _____

DATE: _____

18th April 2016

Mackenzie District Council
Main St
Fairlie 7925

To whom it may concern,

We the undersigned being ratepayers in the Eversley Reserve Fairlie, hereby request the Mackenzie District Council to urgently consider the following requests:

1. To supply The Reserve with sufficient water pressure to provide adequate fire fighting facilities in accordance with the council urban fire plan.
2. To tar seal the metal roadways in The Reserve to alleviate the chronic dust problems and for the safety of road users.

NAME	SIGNATURE
Colin White	Colin White
ERNEST MICHAEL GLOVER	Ernest Glover
Aileen + TERESA HAND	A Hand
Mark & Sheila Woolley	M Woolley
Andrew Gould	A Gould
PETER & BRIDGET MCKENZIE	P & B McKenzie
John Charles Benson	J C Benson
Lance Holdem	L Holdem
Michelle Clemens	M. A. Clemens
Paul & Eunice Taylor	P Taylor
Lyn Dobson	L Dobson
SIM J. RIVINE	S Rivine
Daphne & Robin Calder	D & R Calder

NAME	SIGNATURE
Elizabeth Brien	E. Brien
Ala Edmonson	Ala Edmonson
MARY BARKER	Mary Barker
P. Hand	Paul Hand.
Ariana Willemsen	A. Willemsen
NICK & CASSIE	Nick & Cassie
Kelly Cassie	Kelly Cassie
STEPHEN BRIEN	Stephen Brien
MICHAEL JONNELLY	M. Jonnelly
Chris & Rachael Pridmore	Chris & Rachael Pridmore
Dave & Angel	D. Walte

MACKENZIE DISTRICT COUNCIL

REPORT TO: ASSETS AND SERVICES COMMITTEE
FROM: ASSET MANAGER
SUBJECT: ASSET MANAGER'S MONTHLY REPORT
MEETING DATE: 19th JULY 2016
REF: WAS 1/1
ENDORSED BY: CHIEF EXECUTIVE OFFICER

REASON FOR REPORT

To update the Assets and Services Committee on the progress on various projects and also the normal operation of the department for the past month.

RECOMMENDATION:

1. That the report be received.

BERNIE HAAR
ASSET MANAGER

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

UTILITIES

Project updates

Twizel Water Upgrade

This is almost complete with only the install of the new power cable to the submersible river pumps so that they can run off the generator at the treatment building. This is planned to take place in September of this year. Recently, during a power outage in Twizel, the new generator failed to start. Investigations into the incident found that an incorrect setting in the control was the fault. This will be adjusted by the suppliers on their next trip past Twizel.

Twizel Water Main Replacement

Godley Street and Tekapo Drive, in Twizel, are programmed for water main replacement this year. Staff will be preparing tender documents shortly. It is hoped to start work earlier in order to have it completed before winter.

The pipe bursting trial is scheduled for mid August.

Twizel Waste Water Disposal Upgrade

There has been no more movement on this project since the last report.

Tekapo Waste Water Disposal

The site investigations for the proposed new disposal system are complete. The work involved digging test pits to check permeability and at another site a bore was drilled vertically down 100m to also check on permeability. There were good gravels down to 66m and then silty clays for the balance of the bore hole. With the testing complete we are waiting on the analysis of the results and the final report.

Kimbell – Fairlie Water Main Replacement.

With the replacement of the first stage of the trunk main from the reservoir to Kimbell, staff have noted a significant decrease in water use when compared with the corresponding period of the year before. This would indicate a large number of unknown leaks in the original line and these have all been bypassed with the new pipeline. With a number of projects to be completed this year, it is proposed that staff negotiate directly with Whitestone Contracting Ltd for this final stage. They have shown they have the capability and commitment to complete the project efficiently. By negotiating directly with Whitestone we avoid consultancy costs preparing plans, tender documents and tendering costs as well. We also avoid costs of preparing Health and Safety Plans and Environmental Plans as these have already been provided as part of the Utilities Services Contract.

It is hoped to start preparing the tender documentation for the watermain replacement in Gray Street from Talbot Road to Railway Place.

Fairlie Intake Investigation

This has been progressing well over the last year. Data to date looks promising. We have started the 12 month Crypto testing to determine the presence or otherwise of the parasite *Cryptosporidium* in this water supply. The first test has come back clear. If this continues it will reduce the level of treatment required to 3 log credits.

Fairlie's Water Consent

The Utilities Manager has a meeting planned with ECAN to discuss Fairlie water take consent with regard to the triggering of restrictions for Fairlie during the summer. It is hoped to get some relief from the ridged restrictions to one where MDC is more in control. There will always be some form of restriction.

Scada

All the sewer pump stations in Tekapo are now on-line along with the water treatment site and the in-line booster in Twizel. In the coming year it is planned to install the Scada at the UV water treatment plant and Lochinver in-line booster pump in Tekapo. Allandale treatment shed will follow which will also act as a relay station for the Fairlie oxidation ponds. In Twizel, Mackenzie park sewer pump station will also be brought on-line in 2016/17.

Budget Breakdown

Water

End of May the Operation and Maintenance expenditure – Electricity costs of \$116,603 is over budget by \$24,478. The reason for the unbudgeted power costs is to operate the new in-line booster pump for The Drive. Contractor's costs of \$336,246 is over budget by \$141,363. This is due to the Kimbell line issues and toby replacements in Twizel. Water quality monitoring \$22,246 is under budget by \$579. Consent monitoring cost \$1,055 is under budget by \$6,462.

Wastewater

End of May the Operation and Maintenance expenditure – Electricity costs of \$19,917 is under budget by \$4,715. Contractor costs of \$111,408 is over budget by \$24,418. This was due to sewer blockages in the three townships. The PLC at the Domain sewer pump station failed and had to be replaced as part of the Scada install. The PLC is the heart of the control that monitors and controls the pump start and stop sequence. Consent monitoring \$13,716 is under budget by \$1,936.

Storm water

End of May the Operation and Maintenance expenditure – Contractor costs of \$12,509 is under budget by \$7,566. Consent monitoring \$1,016 is under budget by \$1139.

Allandale

End of May the operation budget for contractor's expenditure of \$59,249 is over budget by \$26,549. This is primarily due to the contractor having to attend to a higher than normal incidence of blocking the intake screen as well as the filters at the supply point restrictors and the PRVs in the scheme caused Didymo and leaf litter. There have also been a number of breaks over the year. Electricity costs of \$1,012 is over budget by \$412. Water quality monitoring is \$3,654 over budget, due to failed tests and then retesting as required by Ministry of Health.

Spur Rd pump shed electricity costs of \$3,893 is under budget by \$407.

ROADING

NZTA Funding

NZTA have finally agreed to meet our Roothing Programme for year one of the National Land Transport Plan. (There will be ongoing negotiations for years 2 and 3.)

We have just secured an extra \$190k co-investment from NZTA! This brings our total roading programme to \$3.3m up from \$2.5m in 2011, an increase of 33%, where most other Roothing Authorities have received an average increase of around 6% in the same time.

This is very good news and it vindicates the position the Council took in recognising the funding shortfall and allowing the extra budget to catch up on the “back log” of work required. I am sure this had a significant bearing on NZTA decision to fund the extra works.

General Maintenance

The sealed road resurfacing programme has been completed for next season and provided to the contractor for programming. It has also been provided to Whitestone so that they can complete any pre reseal repairs required. The programme may change depending on the effect the winter has on the network. A recent contract meeting with the three participating councils and the contractor indicated that the first year of this contract had gone well for all parties.

The re-metalling programme has been halted due to the onset of winter. Gravel freezes in the stockpile and is hard to load, it also sticks to the truck decks making it very difficult to spread effectively.

One Network Road Classification

The New Zealand Transport Agency have released, along with the Road Efficiency Group (REG), guidelines as to the link between funding and “One Network Road Classification” (ONRC).

There will be baseline funding with the opportunity to present a business case for further funding if required. The amount of National Land Transport Funding will be influenced by the funding availability and priorities set out in the GPS so that at this stage NZTA cannot indicate whether funding will increase or decrease.

NZTA will establish baseline funding for each Approved Organisation (AO) based on evidence presented in the Activity Management Plan and have regard to sector benchmarking for performance and cost effectiveness.

We will end up in comparative peer groups (yet to be decided) and will need to use the following tools to show we are working within the ONRC guidelines:

“AOs are expected to use all information, data and tools they have available, including but not limited to:

- RAMM data including seal and pavement performance data histograms, seal survival analysis, etc.*
- network statistics as reported in the Annual Achievement Return*
- maintenance expenditure data as reported in the Annual Achievement Return and any other data*

- *data on work completed*
- *information from the Communities at Risk Register*
- *road classification data*
- *regional data including priorities in Regional Land Transport Plan*
- *the Road Efficiency Group reporting tool*
- *deterioration modelling.”*

Some of this data will already be captured, some is now being captured as part of the current Road Maintenance Contract, but there will be some that don't capture at all. Deterioration Modelling (dTIMs) is one system that neither Waimate nor we use. We will revisit this in the future as part of the mid-south Canterbury Collaboration. The cost for Mackenzie to implement dTIMs is \$34,000 with an ongoing cost around \$22,000 annually.

Predictive modelling systems such as dTIMS can significantly contribute towards more optimal maintenance planning on both the network and the project planning levels. In this regard the NZ dTIMS project would provide the Council with better management information on a network level including:

- Optimal maintenance expenditure/quantities in order to achieve the long-term standards for the network;
- Consequences of various maintenance regimes on the long-term condition of the network.

This system will indicate 'how much maintenance is needed on the network for the next (say) 5 years' and 'what will happen to the network condition levels should the maintenance investment vary from the optimum?'

On a project level the system will produce useful information for the field staff, which will enable them to finalise a forward maintenance programme for a five or ten-year period. The system is particularly useful during field inspections as it takes account of future condition and economic considerations.

Compatibility between dTIMS outputs and the field decision can reach a very good correlation if the data and modelling process is refined and improved from year to year.

Collaboration Update

Staff have met to review the specific work streams, objectives and tasks. Objectives and roles, responsibilities and deliverables were looked at, with progress on the various work streams reviewed. It was noted that by necessity, Mackenzie will naturally take a reduced role in the collaboration until the Roding Manager's position has been filled.

Environmental Maintenance

Total spend to date is \$182,048 for snowfall (not associated directly with the June 2015 snow event), gritting and roadside spraying, and mowing and \$65,780.18 in gritting/tree clearance/pavement repairs directly associated with the June snow event. This is likely to go over budget but expenditure will be reduced in other areas to account for the difference.

Minor Improvements

The minor improvements list is being programmed for the next two years, the final list will be reported in the next assets and services report.

Location	Scope	How Delivered
Lakeside Drive	Guard Railing	Maintenance Contract
Clayton Road	Guard Railing	Maintenance Contract
Fraser Road	Bridge Replacement	Direct Appointment
Fox Peak Road	Bridge Replacement	Direct Appointment
Lilybank Road	Traction Seal	Maintenance Contract
Spur Road	Curve re-alignment	Direct Appointment
Te Puke Road	Square up Intersection	Maintenance Contract
Spur Road	Site Benching	Direct Appointment
Godley Peaks Road	Site Benching	Direct Appointment

Tekapo Footbridge

New signs warning pedestrians of the ice hazard have been erected at either end of the Tekapo Footbridge. With the signs in place we have stopped monitoring the bridge and are no longer closing it during the time of high frost etc. The intention is to monitor the customer response over this winter and then consider if further treatment is required.

Whitestone will still respond during snow events and clear it as part of the snow clearance guidelines.

Grampians Bridge #70

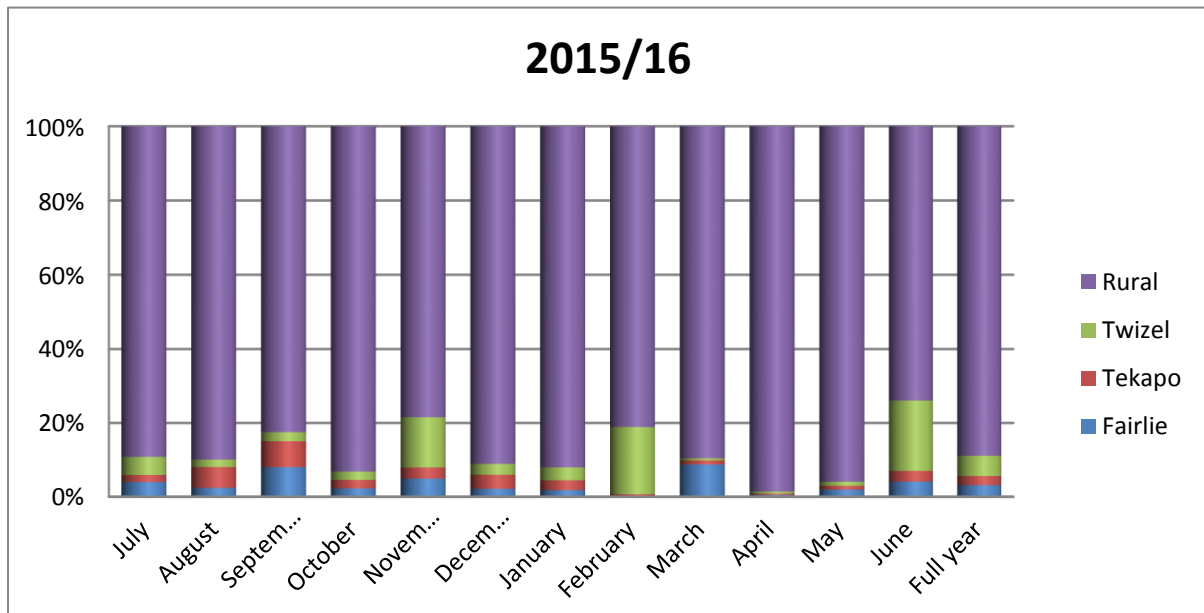
The bridge replacement strategy, adopted in 2010, identified a number of bridges that were coming to the end of their economic life and would have to be replaced or removed. The Grampians Bridge was one of those and has now reached the point where it should be removed. Staff discussed the future of the bridge with Grampians Station, advising them that we would be removing it or they could take it over and be fully responsible for it. The outcome of those discussions was that the bridge has been sold to The Grampians and they will maintain it from now on. We will continue to maintain the road up to the bridge but not past it.

Mackenzie Drive Footpath

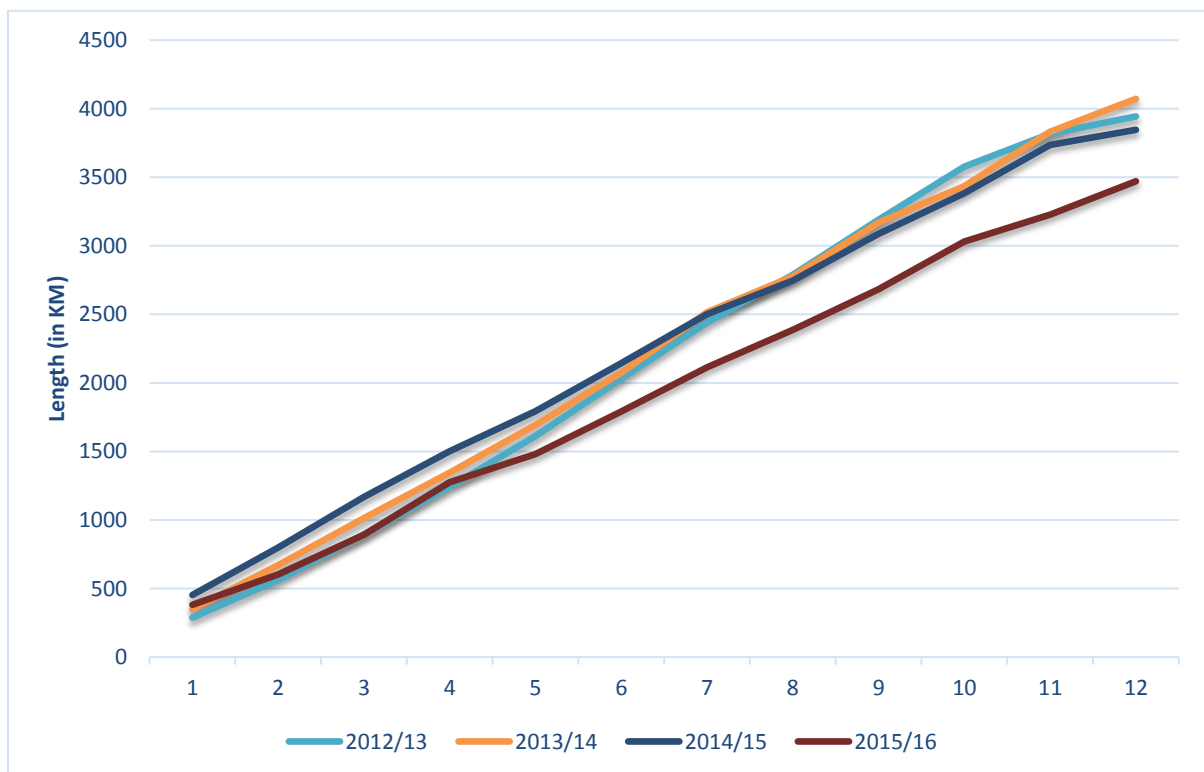
Work associated with the new Meridian building in Twizel saw a reasonable amount of the footpath from Two Thumb Drive around to Market Place dug up to lay cables etc. This amounted to approximately one third of the footpath. It was noted that if only this work was completed the footpath would be quite patchy and the remaining life of the footpath could be compromised. We decided that the best long term solution was to replace the whole path with the cost being shared by the various parties responsible. The finished path really tidied up this area.



Amaglamated Roding Budgets Graph Showing Percentage Share



Unsealed Road Grading (Cumulative)



ASSET MANAGEMENT

Fleet Replacements

In line with the Council's vehicle policy, the following vehicles have reached or exceeded the 180,000 km threshold and will be replaced this year.

- Chief Executive's vehicle
- One of the Building Inspection teams vehicle
- And the vehicle supplied to Canterbury Tourism and marketing.

Once the type and suitability of vehicle has been confirmed with the Manager responsible, orders will be placed. It is my intention to move the vehicle supplied to the Solid Waste Manager and shared by the Twizel elected members, to replace the Tourism vehicle and put the new replacement into Twizel.

SOLID WASTE

Home composting

The subsidies on home composting systems proved very popular last year. Home composting aims to reduce the volume of food waste coming into the waste stream through red wheelie bins. Estimates put the content of food waste at around 30-40% of an average New Zealand household rubbish bin and home composting helps to remove or reduce this waste being sent to landfill. A second round of subsidised compost systems will be offered to Mackenzie residents towards the end of winter this year.

Waste free parenting packs

Following on from the successful cloth nappy packs, a new version of this has been created to encourage further waste reduction aimed at parents. Waste free parenting packs will soon be on offer to Mackenzie residents that include cloth nappies plus other reusable products such as food pouches, to encourage waste reduction.

Asbestos

The new asbestos collection system is planned to be operational during spring this year. Envirowaste are currently working through health and safety training and looking at site facilities for the new asbestos collection. Education of asbestos identification, safe handling and disposal options will be advertised when this service is ready to offer to the public.

Health and Safety

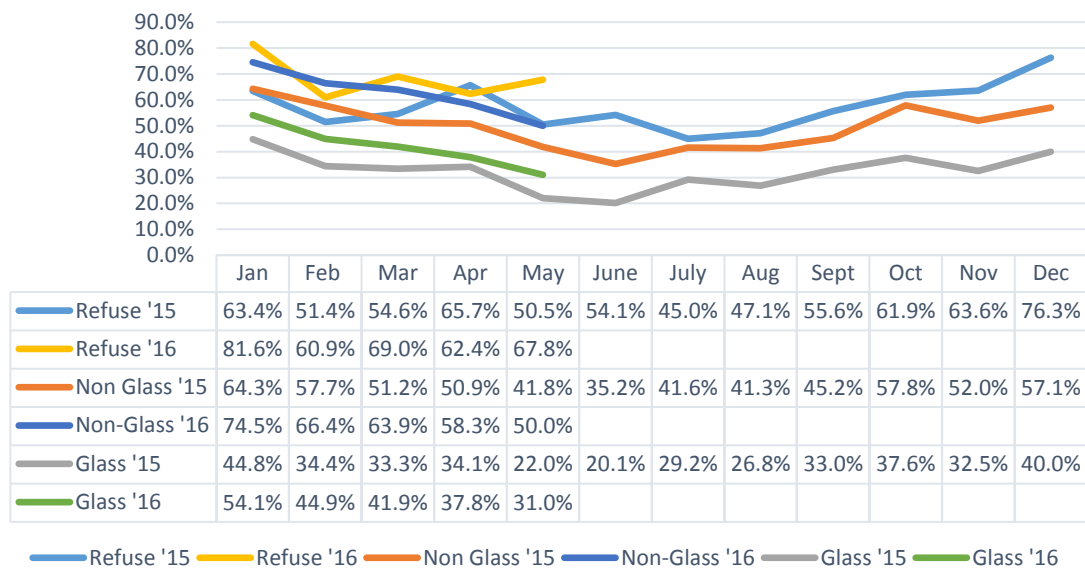
Envirowaste are focusing on local system improvement and management of health and safety in their Mackenzie operations, including improved reporting to the Council. Envirowaste have a routine health and safety audit due in October. There have been no recent serious harm incidents.

Waste Volumes

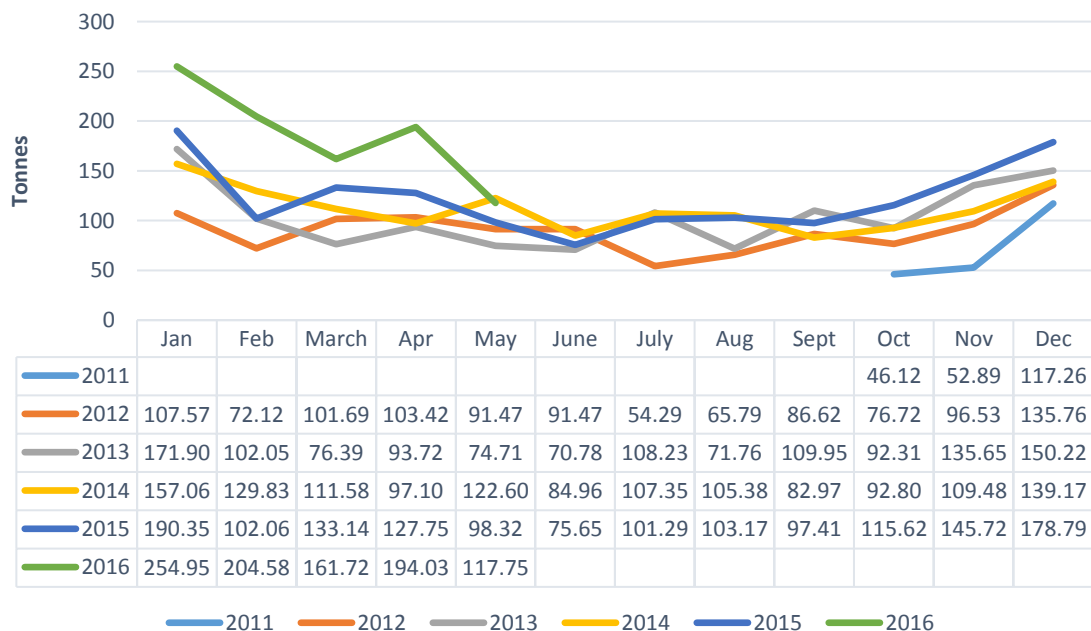
There continues to be an increase in the amount of waste coming through the Mackenzie, this includes both residual waste and recyclable or other materials that can be diverted from landfill. The increase is from both kerbside collections and waste delivered to the Resource Recovery Parks. We are currently gathering improved data on the type of waste being received at the recovery parks and an audit to analyse the composition of kerbside

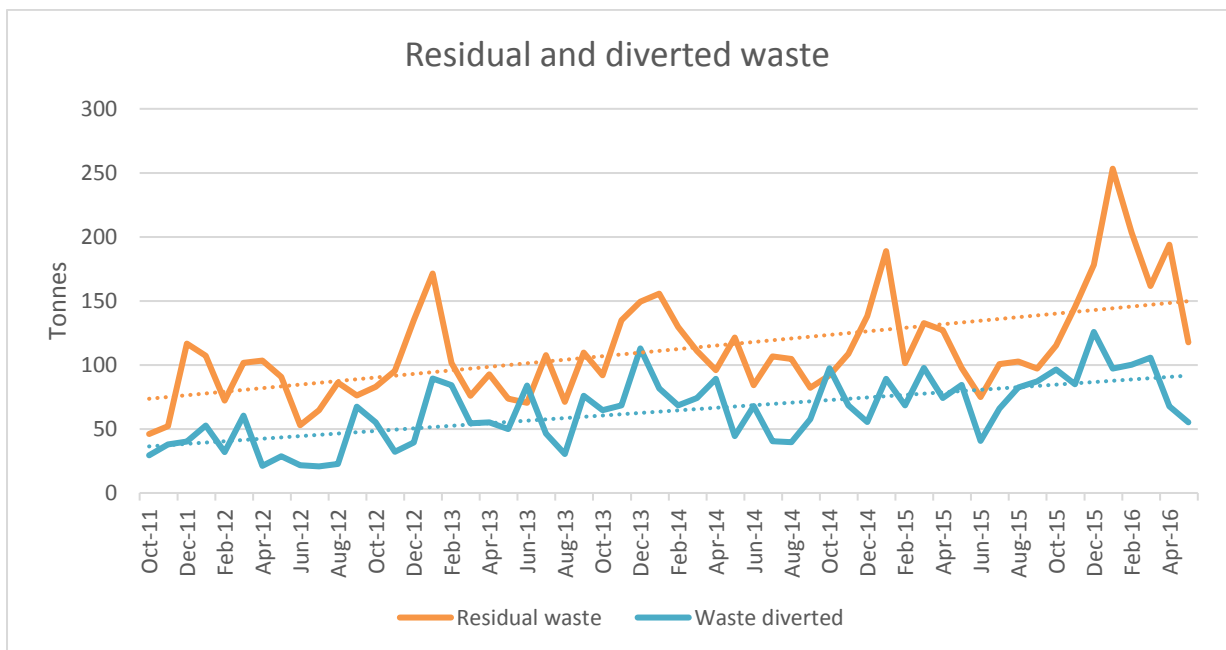
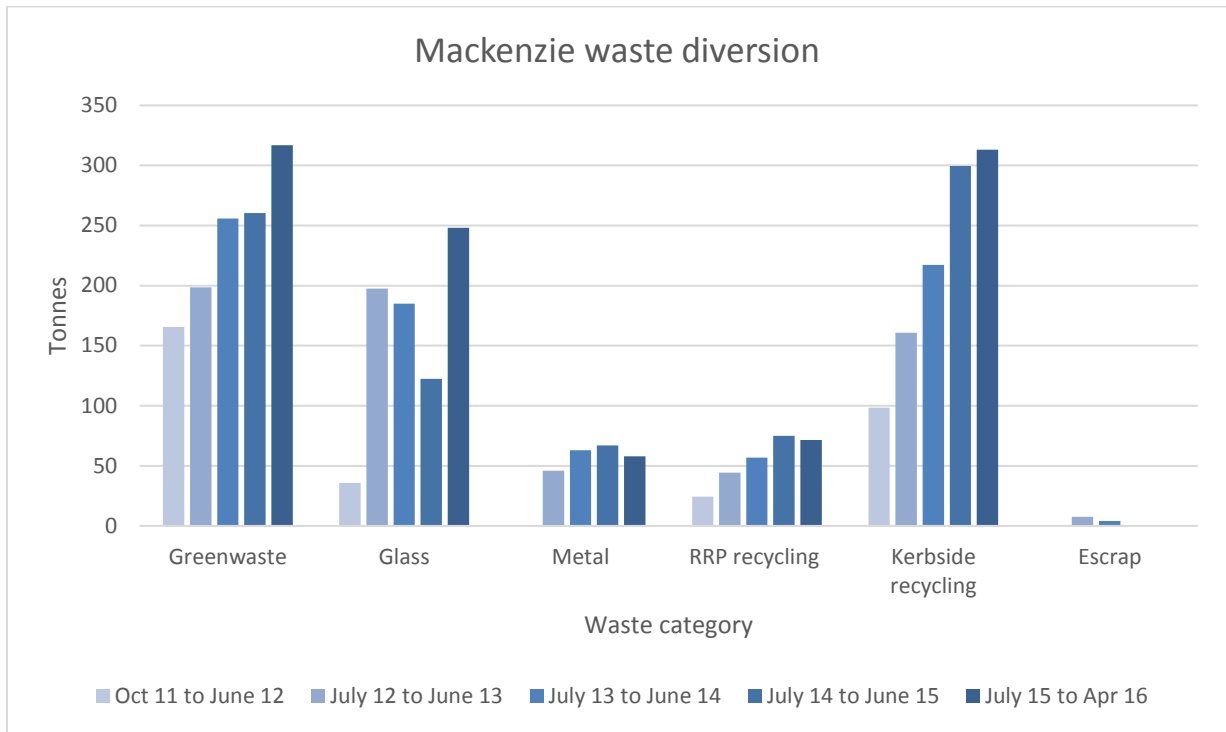
waste is planned for later this year. This information will improve our understanding of waste sources and types, which will enable us to better target waste education.

Presentation Rates



Waste to Landfill





Contract Progress

Contract - 1226	Shared Service - Re-Surfacing
Tender Acceptance	August 2015
Site Possession	October 2015
Construction Period	Two Years
Contract Value	\$8,478,267.30
Contract Status	
Health & Safety	Nil
Progress Payments	Payment #1 Issued 16 th December 2015 - \$344,623.08 Payment #2 Issued 31 st January 2016 - \$304,700.38 Payment #3 Issued 29 th February 2016 - \$11,208.41 Payment #4 Issued 31 st March 2016 - \$50,523.43
Variations	Nil

Contract – 1228A	Twizel Watermain Replacement 2016
Tender Acceptance	22 nd December 2015
Site Possession	10 days after award
Construction Period	12 weeks
Contract Value	\$362,443.51
Contract Status	Complete apart from resurfacing the footpath on Mt Cook Street
Health & Safety	Nil
Progress Payments	\$347,169.01
Variations	Nil

MACKENZIE DISTRICT COUNCIL

REPORT TO: ASSETS AND SERVICES COMMITTEE

SUBJECT: NAMING OF NEW ROADS CREATED BY STAGE 1C OF THE CAIRNS SUBDIVISION

MEETING DATE: 19th JULY 2016

REF: WAS 2/1

FROM: ASSETS TECHNICAL ASSISTANT

ENDORSED BY: ASSET MANAGER

PURPOSE OF REPORT:

To confirm that the new roads, off D'Archiac Drive, created by Stage 1C of the Cairns subdivision be named Rapaki Place and Cairns Avenue.

STAFF RECOMMENDATIONS:

1. That the report be received.
2. That the roads created by the latest stage of the Cairns subdivision be named Cairns Avenue and Rapaki Place.

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

A recent subdivision known as Cairns, extending off D'Archiac Drive in Tekapo, developed by the Simpson Family has created two new roads which require naming.

ATTACHMENTS:

[illegible]

n/a

SIGNIFICANCE OF DECISION REQUESTED:

n/a

CONSIDERATIONS:

The Council does not have a policy on naming roads, however there appears to be propensity towards using the names of prominent landscape features such as locations, rivers and streams, mountains, structures etc and historically significant events or people. With the majority of roads in Tekapo being named mainly after prominent natural features and significant people or families.

The meaning of Cairns is to find one's way and also reflects the name of the subdivision.

While the name Rapaki comes from the third escape of MacKenzie [according to Sargeant Seagar] took place when MacKenzie escaped from a hard-labour gang. The police unsuccessfully searched the country for miles around. After seeing smoke fixing from the bush near Cooper's Knobs, Seagar offered a reward of £10 to the Rapaki Maoris if they captured the prisoner. Within the next few days they brought in MacKenzie "trussed unlike a fowl and tied to a pole with flax".

Both of these proposed names also comply with all the conventions and standards set out in AS/NZS 4189:2011 Addressing Standard.

CONCLUSION:

Staff recommendation is that the cul-de-sac be named Rapaki Place and the new link road be named Cairns Avenue.